United States Department of Agriculture Natural Resources Conservation Service

OMB No. 0578-0030 NRCS-PDM-20

DAMAGE SURVEY REPORT (DSR)

Emergency Watershed Prot	tection Pr	ogram –	Recovery
Section 1A			NRCS Entry Only
Date of Report: 02/17/2005			Eligible: YES / NO _ Approved: YES / NO _
DSR Number: <u>019-05-062R</u> Project Number: <u>Contraband Bay</u>	ou		Funding Priority Number (from Section 4) Limited Resource Area: YES NO _4
Sponsor Name: Gravity Drainage District 4	sor Inform	ation	
Address: 1204 Lakeshore Dr.			
Marios, 1204 Editorior D1.			
City/State/Zip: <u>Lake Charles</u> , <u>LA 70601</u>			
Telephone Number: (337)436-6936 Fax: (337)433-9883			
Section 1C Site Loc	cation Infor	rmation	
County: Calcasieu State: Louisiana	Congre	ssional Dis	trict:7
Latitude: <u>30.17732</u> Longitude: <u>93.21371</u> Section: <u>20</u>	Township:	10SR	ange: 8W
UTM Coordinates:			
Drainage Name: Contraband Bayou b/n Common St. & Louisiana S	t. Reach: I	Reach 1-2,4	70; Reach 2-1,270; Reach 3-300 (4,040 ft.)
Damage Description: Channel has become obstructed with debris of	due to Hurri	cane Rita	
Section 1D Si	te Evaluatio	on	
All answers in this Section must be YES in order to be eligible for E	EWP assista	nce.	
Site Eligibility	YES	NO	Remarks
Damage was a result of a natural disaster?*	X		Hurricane Rita, September 2005
Recovery measures would be for runoff retardation or soil erosion prevention?*	X		
Threat to life and/or property?*	X		
Event caused a sudden impairment in the watershed?*	X		
Imminent threat was created by this event?**	X		
For structural repairs, not repaired twice within ten years?**	X		
Site Defensibility			
Economic, environmental, and social documentation adequate to	X		See attached documentation

Have all the appropriate steps been taken to ensure that all segments of the affected population have been informed of the EWP program and its possible effects? YES \underline{X} NO $\underline{\hspace{1cm}}$

X

Comments: Local Gravity Drainage District has been consulted.

warrant action? (Go to pages 3, 4, 5 and 6 ***)
Proposed action technically viable? (Go to Page 9 ***)

See attached documentation

^{*} Statutory

^{**} Regulation

^{***} DSR Pages 3 through 6 and 9 are required to support the decisions recorded on this summary page. If additional space is needed on this or any other page in this form, add appropriate pages.1 of 14

DSR NO: 019-05-062R

Section 1E Proposed Action

Describe the preferred alternative from Findings: Section 5 A: Reach 1 will be worked from within the channel up to top bank on both sides of the channel. Reach 2 will be worked from the top bank on the north side of the channel with a 25 ft. access. Reach 3 will be worked from the top bank on the south side of the channel with a 25 ft. access.

Total installation cost identified in this DSR: Section 3: \$\$54,996.00

	Section 1F NRCS Se	tate Office Review and Approval
Reviewed By:	State EWP Program Manager	Date Reviewed: 2/27/09
Approved By:	State Conservationist	Date Approved:

PRIVACY ACT AND PUBLIC BURDEN STATEMENT

NOTE: The following statement is made in accordance with the Privacy Act of 1974, (5 U.S.C. 552a) and the Paperwork Reduction Act of 1995, as amended. The authority for requesting the following information is 7 CFR 624 (EWP) and Section 216 of the Flood Control Act of 1950, Public Law 81-516, 33 U.S.C. 701b-1; and Section 403 of the Agricultural Credit Act of 1978, Public Law 95-334, as amended by Section 382, of the Federal Agriculture Improvement and Reform Act of 1996, Public Law 104-127, 16 U.S.C. 2203. EWP, through local sponsors, provides emergency measures for runoff retardation and erosion control to areas where a sudden impairment of a watershed threatens life or property. The Secretary of Agriculture has delegated the administration of EWP to the Chief or NRCS on state, tribal and private lands.

Signing this form indicates the sponsor concurs and agrees to provide the regional cost-share to implement the EWP recovery measure(s) determined eligible by NRCS under the terms and conditions of the program authority. Failure to provide a signature will result in the applicant being unable to apply for or receive a grant the applicable program authorities. Once signed by the sponsor, this information may not be provided to other agencies. IRS, Department of Justice, or other State or Federal Law Enforcement agencies, and in response to a court or administrative tribunal.

The provisions of criminal and civil fraud statutes, including 18 U.S.C. 286, 287, 371, 641, 651, 1001; 15 U.S.C. 714m; and 31 U.S.C. 3729 may also be applicable to the information provided. According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0578-0030. The time required to complete this information collection is estimated to average 117/1.96 minutes/hours per response, including the time for reviewing instructions, searching existing data sources, field reviews, gathering, designing, and maintaining the data needed, and completing and reviewing the collection information.

USDA NONDISCRIMINATION STATEMENT

"The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.)

Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination write USDA, Director of Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-941 0 or call (800)795-3272 (voice) or (202)720-6382 (TDD). USDA is an equal opportunity provider and employer.

Civil Rights Statement of Assurance

The program or activities conducted under this agreement will be in compliance with the nondiscrimination provisions contained in the Titles VI and VII of the Civil Rights Act of 1964, as amended; the Civil Rights Restoration Act of 1987 (Public Law 100-259); and other nondiscrimination statutes: namely, Section 504 or the Rehabilitation Act of 1973, Title IX of the Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. They will also be in accordance with regulations of the Secretary of Agriculture (7 CFR 15, 15a, and 15b), which provide that no person in the United States shall on the grounds of race, color, national origin, gender, religion, age or disability, be excluded from participation in, be denied the benefits of, or otherwise subjected to discrimination under any program or activity receiving Federal financial assistance from the U.S. Department of Agriculture or any agency thereof.

Section 2 Environmental Evaluation

2A Resource	2B Existing Condition	2011101110111011					
Concerns		Proposed Action	No Action	Alternative			
		Remove debris from	Leave debris in	Remove debris from			
		channel, accessing from	channel	channel, accessing from			
		within the channel, or		one side of channel,			
		from one side of		dispose of in an approved			
		channel, dispose of in		landfill			
		an approved landfill					
		2	D Effects of Alternativ	ves			
Soil							
Compaction	No compaction	Slight compaction due to	No compaction	Slight compaction due to			
		heavy equipment		heavy equipment			
Bank erosion	10 tons/ac	5 tons/ac	10 tons/ac	5 tons/ac			
Water							
Turbidity	Very turbid due to	Turbidity decreasing over	Bank erosion will	Turbidity dec. over time			
	bank erosion	time with re-seeding	continue - increasing	with re-seeding disturbed			
		disturbed areas	turbidity	areas			
Overall Stream	SVAP- 2	SVAP-3	SVAP- 2	SVAP-3			
Health							
Air							
Particulate	N/A	Slight increase during	N/A	Slight increase during			
Matter		debris removal if dry		debris removal if dry			
		conditions		conditions			
Plant							
Riparian Area	Trees in riparian zone	Removal of debris	Impacted by damaged	Removal of debris			
	damaged (limited	restores pre-storm	trees and debris	restores pre-storm			
	riparian zone) condition of riparian area			condition of riparian area			
Animal							
Aquatic life	Debris may be	Sufficient habitat should	Debris may be	Sufficient habitat should			
	improving habitat for	remain after removal of	improving habitat for	remain after removal of			
	invertebrates and	debris	invertebrates and	debris			
	micro fauna		micro fauna				
Other							
Aesthetics	Poor due to debris	Restore area to pre-storm	Continue to decrease	Restore area to pre-storm			
	and clutter	conditions with potential	due to accumulation of	conditions with potential			
		to improve landscape	debris	to improve landscape			
Vectors/Disease	Excess debris causing	Restore channel to pre-	Flow decreased	Restore channel to pre-			
	lack of flow	storm flow	causing stagnant pools	storm flow			

Section 2E Special Environmental Concerns

Г <u>-</u>		E Special Environme		
Resource	Existing Condition		Alternatives and Effect	
Consideration		Proposed Action	No Action	Alternative
	CWA jurisdiction	Requires CWA	No permit required	Requires CWA
Clean Water Act	and Water Quality	permit and Water		permit and Water
Waters of the U.S.	Certification	Quality		Quality Certification
		Certification		
	Project area not in	N/A	N/A	N/A
Coastal Zone	Coastal Management			
Management Areas	Zone			
	None	N/A	N/A	N/A
	Trone	11/11	11/11	11/11
Coral Reefs				
Corui receis	State Level Review	State Level Review	State Level Review	State Level Review
	requested		requested	
Cultural Resources	requested	requested	requested	requested
Cultural Resources	C	LICENIC 1111	NT/A	LICENIC - '11 1.
Endonesis 1 · · · 1	Species listed in	US FWS will be	N/A	US FWS will be
Endangered and	Parish – none	consulted if species		consulted if species
Threatened Species	observed on site	are found on site	77/4	are found on site
	N/A	N/A	N/A	N/A
Environmental				
Justice				
	Project area not EFH	N/A	N/A	N/A
Essential Fish				
Habitat				
	Stream modification	Will consult CWA	N/A	Will consult CWA
Fish and Wildlife	not proposed in	permit for guidance		permit for guidance
Coordination	project			
	Project area within	Will restore to pre-	Flood plain is	Will restore to pre-
Floodplain	100 year flood plain	storm function	impaired by excess	storm function
Management	100 year 1100a piani	Storm ranction	debris	Storm ranction
Tranagement	None identified on	May increase	N/A	May increase
	site	likelihood of	11/11	likelihood of
Invasive Species	Site	establishment		establishment
mvasive species	Project area may	Should not impact	Should not impact	Should not impact
	provide limited habitat	Should not impact	Should not impact	Should not impact
Minustana Dinda	for neotropicals			
Migratory Birds	_	NT/A	NT/A	NT/A
	Highly urbanized –	N/A	N/A	N/A
37 . 4 4	N/A			
Natural Areas				
	Highly urbanized –	N/A	N/A	N/A
Prime and Unique	N/A			
Farmlands				
	Limited riparian	Removal of debris	Limited riparian	Removal of debris
	habitat, impacted by	improves habitat	habitat, impacted by	improves habitat
Riparian Areas	debris		debris	
_	Highly urbanized	No impact		
	area	_		
Scenic Beauty				
,	Hydrology of	Restore hydrology	Hydrology of	Restore hydrology
	wetlands impacted	to pre-storm	wetlands impacted	to pre-storm
Wetlands	by excess debris	conditions	by excess debris	conditions
Ottaiids	None in project area	N/A	N/A	N/A
Wild and Scenic	Trone in project area	14/13	11/13	11/11
Rivers				

Completed By: <u>Brian Baiamonte</u> Date: <u>2/22/2006</u>

DSR NO: 019-05-062R

Section 2F Economic

This section must be completed by each alternative considered (attach additional sheets as necessary).

This section must be completed by each	Future Damages (\$)	Damage Factor (%)	Near Term Damage Reduction
Properties Protected (Private)			
111 homes (1500 square feet)	\$9,038,099.52	20%	\$1,807,619.90
Properties Protected (Public)			
Business Losses			
Other			
		amage Reduction \$	\$1,807,619.90
Net Benefit (Total Near Term	Damage Reduction minus Co	ost from Section 3)	\$1,752,623.90

Completed By:	Joy Martin	Date:	02/21/2006

Notes: This is a highly populated area, with several structures that could be affect that were not included due to lack of need for economic justification. Within the area there is a water treatment plant located on McNeese St. that backs up to the channel. A fire station is located on Kirkman approximately 500 feet north of the channel. McNeese State University facilities, including classrooms and dorms are located downstream. Several medical facilities are located in the area, specifically, on Louisiana Street. There is a mental health facility, and a hospital. There is a daycare on Louisiana Street. Three apartment complexes are located along the channel, one on Louisiana, and two on Kirkman. All are adjacent to the channel.

Section 2G Social Consideration

This section must be completed by each alternative considered (attach additional sheets as necessary).

	YES	NO	Remarks
Has there been a loss of life as a result of the watershed impairment?		X	
Is there the potential for loss of life due to damages from the watershed impairment?	X		Failure of road crossings poses a threat to human life and property.
Has access to a hospital or medical facility been impaired by watershed impairment?	X		Hospital located in very close proximity. Debris in channel with excess rains could cause access to the hospital to be limited from the south.
Has the community as a whole been adversely impacted by the watershed impairment (life and property ceases to operate in a normal capacity)		X	
Is there a lack or has there been a reduction of public safety due to watershed impairment?	X		Debris in channel includes miscellaneous trash which could contain environmental hazards, fire station located within 500 feet of channel, access southbound could be limited in the event of major rainfall.

Completed By:	Jov Martin	Date:	02/21/2006	
Completed Dy.	JOY Martin	Daic.	02/21/2000	

Section 2H Group Representation and Disability Information

This section is completed only for the preferred alternative selected.

Group Representation	Number
American Indian/Alaska Native Female Hispanic	
American Indian/Alaska Native Female Non-Hispanic	1
American Indian/Alaska Native Male Hispanic	
American Indian/Alaska Native Male Non-Hispanic	
Asian Female Hispanic	
Asian Female Non-Hispanic	12
Asian Male Hispanic	
Asian Male Non-Hispanic	9
Black or African American Female Hispanic	
Black or African American Female Non-Hispanic	84
Black or African American Male Hispanic	
Black or African American Male Non-Hispanic	93
Hawaiian Native/Pacific Islander Female Hispanic	
Hawaiian Native/Pacific Islander Female Non-Hispanic	
Hawaiian Native/Pacific Islander Male Hispanic	
Hawaiian Native/Pacific Islander Male Non-Hispanic	
White Female Hispanic	
White Female Non-Hispanic	159
White Male Hispanic	
White Male Non-Hispanic	148
Total Group	506

Census tract(s) <u>Tract 11</u>, <u>blocks</u>: 3001, 3002, 3006, 3007, 3008, 3009, 3010, 3011

Completed By: <u>JOY MARTIN</u> Date: <u>02/17/2006</u>

DSR NO: 019-05-062R

Section 2I. Required consultation or coordination between the lead agency and/or the RFO and another governmental unit including tribes:

Easements, permissions, or permits:

Sponsor must secure easement/permission for access to and work along the channel on private lands.

404 Permit may be required as a result of grubbing of stumps. Water Quality Certification

Mitigation Description:

Work will be completed in a timely manner to reduce impacts to adjacent properties. Restoration of pre-storm flow will reduce stagnant pools, thereby reducing the threat of insect borne disease. Work will be completed from either inside the channel, or accessing from only one side of the channel. Debris will be disposed of in an approved land fill.

Agencies, persons, and references consulted, or to be consulted:

U.S. Army Corps of Engineers LA DEQ for Water Quality Certification LDWF for consultation only

Section 3 Engineering Cost Estimate

Completed By: Jason Kroll	Date:	02/22/2006
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This section must be completed by each alternative considered (attach additional sheets as necessary).

Proposed Recovery Measure (including mitigation)	Quantity	Units	Unit Cost (\$)	Amount (\$)
Mobilization & Demobilization	1	LS	\$10,000.00	\$10,000.00
Channel Obstruction Removal	4,040	LF	\$9.90	\$39,996.00
Seeding, Sprigging, and Mulching	1	AC	\$200.00	\$200.00
Flexifloat equipment	1	LS	\$4,800.00	\$4,800.00
	Total Inst	ı allation Cost (Ent	er in Section 1F)\$	\$54,996.00

Unit Abbreviations:

AC Acre

CY Cubic Yard

EA Each

HR Hour

LF Linear Feet

LS Lump Sum

SF Square Feet

SY Square Yard

TN Ton

Other (Specify)

DSR NO: 019-05-062R

Section 4 NRCS EWP Funding Priority

Complete the following section to compute the funding priority for the recovery measures in this application (see instructions on page 10).

Priority Ranking Criteria	Yes	No		Ranking Number Plus Modifier
1. Is this an exigency situation?	X			1 − d,e
2. Is this a site where there is serious, but not immediate threat to human life?				
3. Is this a site where buildings, utilities, or other important infrastructure				
components are threatened?				
4. Is this site a funding priority established by the NRCS Chief?				
The following are modifiers for the above criteria			Modifier	
a. Will the proposed action or alternatives protect or conserve federally-listed threatened and endangered species or critical habitat?			N	
b. Will the proposed action or alternatives protect or conserve cultural sites listed on the National Register of Historic Places?			N	
c. Will the proposed action or alternatives protect or conserve prime or important farmland?			N	
d. Will the proposed action or alternatives protect or conserve existing wetlands?			Y	
e. Will the proposed action or alternatives maintain or improve current water quality conditions?			Y	
f. Will the proposed action or alternatives protect or conserve unique habitat, including but not limited to, areas inhabited by State-listed species, fish and wildlife management area, or State identified sensitive habitats?			N	

Enter priority computation in Section 1A, NRCS Entry, Funding priority number.

D 1	
Remarks	•
remarks	

Section 5A Findings

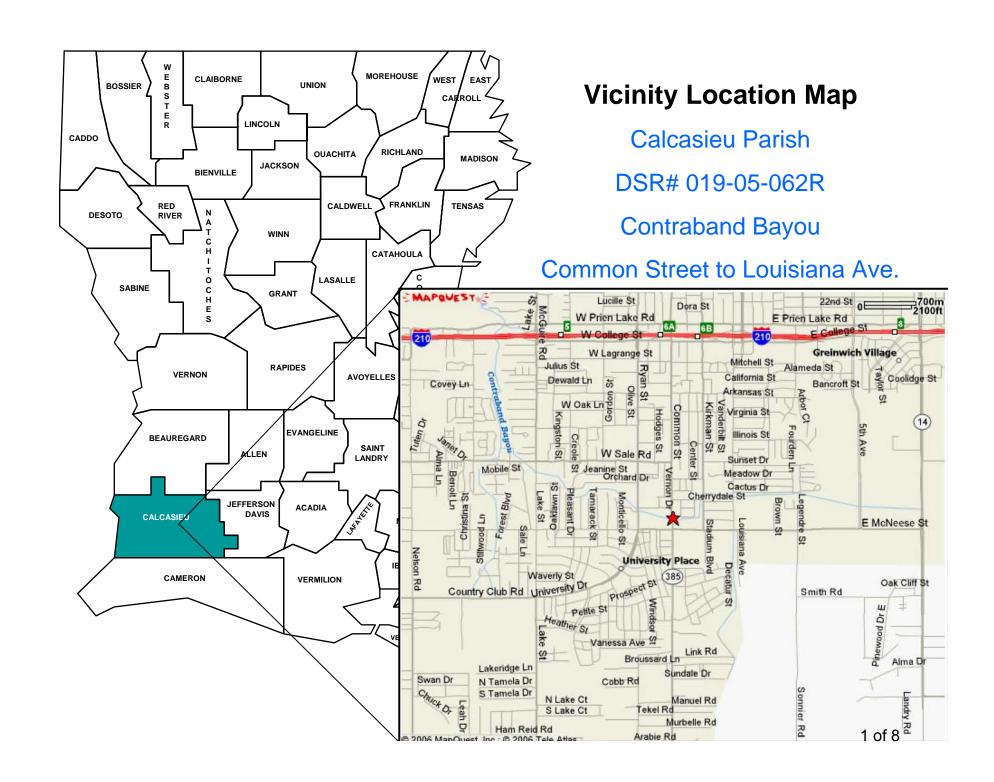
Finding: Indicate the preferred alternative from Section 2 (Enter to Section 1E):

C. Other (explain)

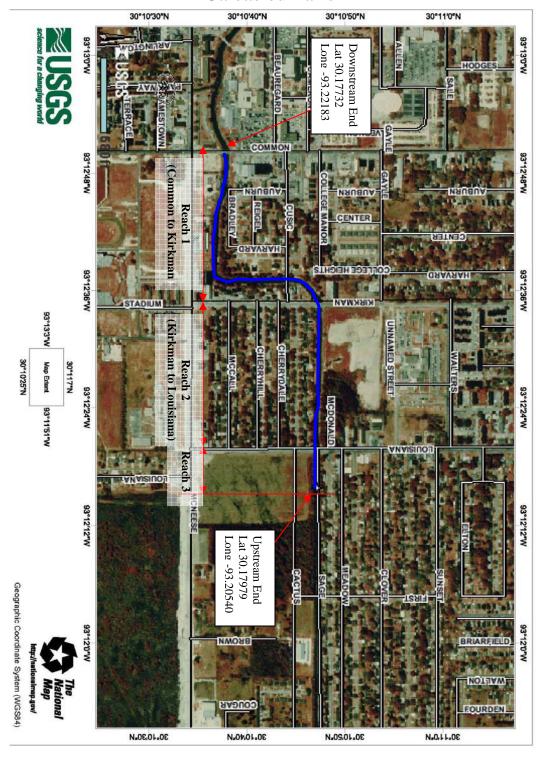
I have considered the effects of the action and the Concerns; and the extraordinary circumstances (4	alternatives on the Environmental Economic, Social; the Special Environmental 10 CFR 1508.27). I find for the reasons stated below, that the preferred alternative:
_X Has been sufficiently analyzed in Chapter 5.2.2.1.2 Chapter Chapt	the EWP PEIS (reference all that apply)
The action will be referred to the NRCS S	nvironmental assessment or environmental impact statement. State Office on this date:
NRCS representative of the DSR team	
Title: Brian Baiamonte, District Conservationist	Date: <u>02/22/2006</u>
Section 5B Comments:	
Section 5C	Sponsor Concurrence:
Sponsor Representative Michael L. Wittler Title: Superintendent	
Title: Superintendent	Date: 02 24 (06
Section 6 Attachments: A. Location Map B. Site Plan or Sketches	

SECTION 6

ATTACHMENTS



SITE MAP DSR 019-05-062R Contraband Bayou Common St. to Louisiana Ave. Calcasieu Parish



TOPO MAP DSR 019-05-062R

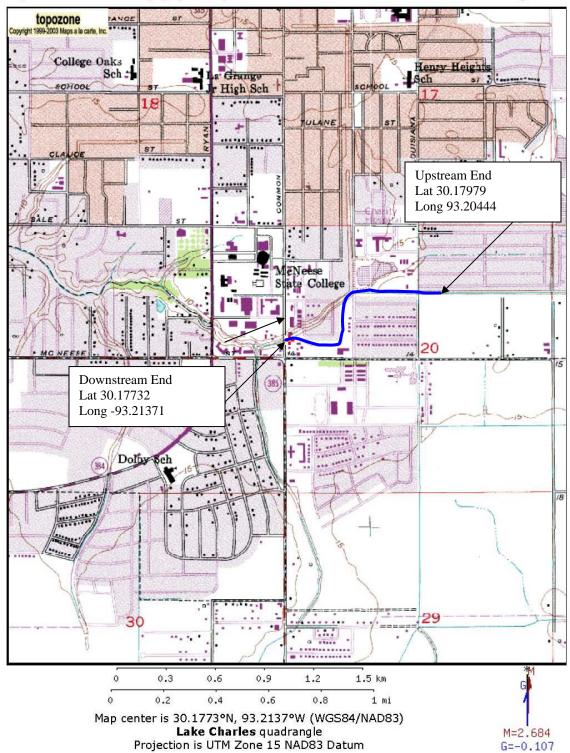
Contraband Bayou

Common St. to Louisiana Ave.

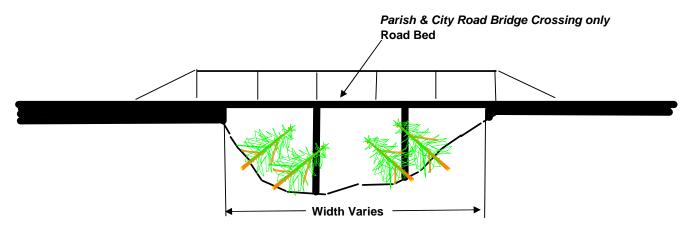
Calcasieu Parish

TopoZone - The Web's Topographic Map

Page 1 of 1



Debris Removal

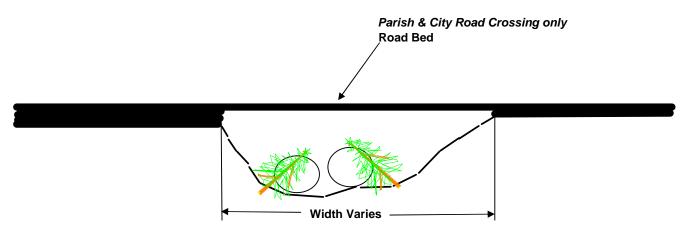


Note: Contract is to remove Debris from upstream and downstream Bridge which includes underside of bridge **Exception:** All Crossing which cross State or Federal highways are not included in contract

Typical Road Bridge Crossing Not to Scale

Notice: 48 Hours Before Digging Call 1-800-272-3020

Debris Removal



Note: Contract is to remove Debris from upstream and downstream Culverts which includes inside of culverts **Exception:** All Crossing which cross State or Federal highways are not included in contract

Typical Road Culvert type Crossing Not to Scale

Notice:

48 Hours Before Digging Call 1-800-272-3020

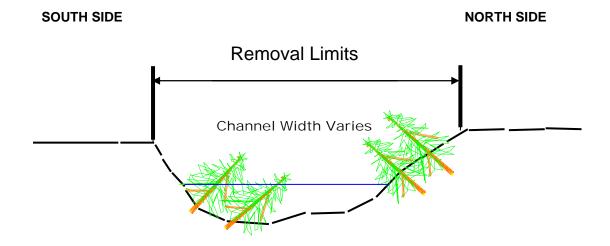
DSR No: 019-05-062R

PARISH/SPONSOR: Calcasieu / Gravity Drainage District #4 CHANNEL: Contrand Bayou (Common St. to Louisiana Ave.)

DEBRIS REMOVAL

TYPICAL SECTION REACH 1

(Between Common St. and Kirkman St.)



Typical Section Not to Scale

Notice:

48 Hours Before Digging Call 1-800-272-3020

*Note: Access and work this reach from within the channel with portable floating equipment. All access routes shall be dressed and left free of tracks or ruts upon completion.

Exception it may be possible that trees which were located outside of the trightaway may have fallen into the right of way, these trees will be remove which may be located outside of the right of way.

DSR No: 019-05-062R

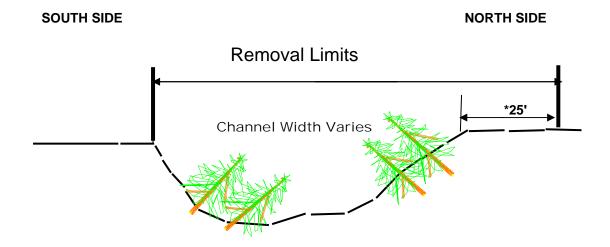
PARISH/SPONSOR: Calcasieu / Gravity Drainage District #4

CHANNEL: Contrand Bayou (Common St. to Louisiana Ave.)

DEBRIS REMOVAL

TYPICAL SECTION REACH 2

(Between Kirkman St. and Louisiana Ave.)



Typical Section Not to Scale

Notice:

48 Hours Before Digging Call 1-800-272-3020

*Note: Access and work this reach from north side only. All fences removed within the removal limits for access shall be replace with like kind by the contractor. All access routes shall be dressed and left free of tracks or ruts upon completion.

Exception it may be possible that trees which were located outside of the trightaway may have fallen into the right of way, these trees will be remove which may be located outside of the right of way.

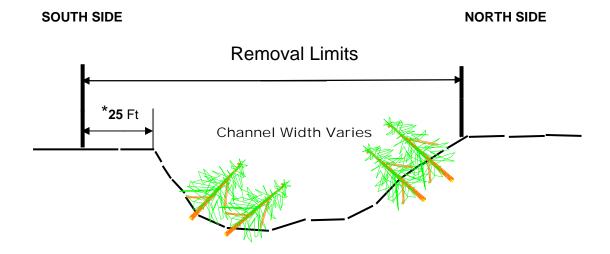
DSR No: 019-05-062R

PARISH/SPONSOR: Calcasieu / Gravity Drainage District #4 CHANNEL: Contrand Bayou (Common St. to Louisiana Ave.)

DEBRIS REMOVAL

TYPICAL SECTION REACH 3

(East of Louisiana Ave.)



Typical Section Not to Scale

Notice: 48 Hours Before Digging Call 1-800-272-3020

*Note: Access and work this reach from south side only. All fences removed within the removal limits for access shall be replace with like kind by the contractor. All access routes shall be dressed and left free of tracks or ruts upon completion.

Exception it may be possible that trees which were located outside of the trightaway may have fallen into the right of way, these trees will be remove which may be located outside of the right of way.

DSR No: 019-05-062R Prefered Measure

Section 5 Engineering Cost Estimate Worksheet

Parish: Calcasieu
Channel: Contraband Bayou

Location: From east side of Common St to 300 ft. east of Louisiana St.

Completed By: Jason Kroll Date: 22-Feb-06

Type of Work: Debris Removal

Location of Work:

Township(s)Range(s)Section(s)Quadrangle(s)T10SR8W20Lake Charles

	Reach 1		Reach 2		Reach 3	
	Latitude	Longitude	Latitude	Longitude	Latitude	Longitude
Downstream Start:	30.17732	93.21371	30.17883	93.20953	30.17979	93.20540
Upstream End:	30.17993	93.20953	30.17979	93.20540	30.17979	93.20444

Estimated Length of Work Segment (ft) Reach 1: 2,470 linear feet
Estimated Length of Work Segment (ft) Reach 2: 1,270 linear feet
Estimated Length of Work Segment (ft) Reach 3: 300 linear feet
Estimated Length of Work Segment (ft) TOTAL: 4,040 linear feet

Item No.	Proposed Recovery Measure	Quantity	Units	Unit Cost	Amount
1	Mobilization & Demobilization	1	LS	\$10,000.00	\$10,000
2	Channel Obstruction Removal	4,040	LF	\$9.90	\$39,996
3	Seeding, Sprigging and Mulching	1	AC	\$200.00	\$200
4	Flexifloat **(see explanation in "Comments")	1	LS	\$4,800.00	\$4,800
5					\$0

Note: Estimated cost of debris removal includes equipment, labor, hauling, and disposal of material.

Total Estimated Construction Cost \$54.996

Performance Time:

Production Rate Segment Length Production Time Contract Time

220 Ft/Day 4,040 Ft 18.36 Days 2 Days Move In

Estimated Cost of Equipment with Labor (Per Revised Costs by BAS 2-9-06)

Description of Work: Medium with Complexities \$9.90

Estimated Cost of Seeding with Labor

Segment Length Segment Width No.of Segment Acres Cost per Ac **Total Cost**2,000 Ft. 25 Ft. 1 1 \$200 \$200

Comments:

Selected Alternative involves dividing the channel into 3 reaches: Reach 1 will be worked from within the channel up to top bank on both sides of the channel. Reach 2 will be worked from the top bank on the north side of the channel with a 25 ft access. Reach 3 will be worked from the top bank on the south side of the channel with a 25 ft access. Cost of seeding with labor includes Reach 2 and 3 for the total length and an area for access for Reach 1. ** The cost for Flexifloat: \$80/section/day & needs 4 sections/day. 80x4=\$320/day. Estimate them needing the flexifloat for 15 days.

			Channel Obstruc		luation	
Parish: C	- 1 - 21		SITE INFO			
0'-	Alcasia He Charle			Site: C	ontrohend B	a you
^	MIK	2.5			tearte ennice	J
Date: 12	-15-06			Reach:	From - To -	
Evaluation 7	Team: Jasor	Kroll , Joy	martin		10-	
PH	ото нимве	RS AND BRIL	F DESCRIPTION			POINTS
Photo #		Descr				cord in Decimal Degrees)
			, , , , , , , , , , , , , , , , , , , ,	- Mi	ork (D/S end) N dstream	
					ork (U/S end) W	
		NE	ARBY AND UPSTRI (Fill in Numbers, Va		CTURES	
o of Ohio	CHURCHI		SCHOOL	.S	PUB	LIC FACILITIES
lo. of Churc	cnes	HOMEOTEO	No. of Schools	1	No. of Public Facilit	ies \
lo. of Home	esites	HOMESITES	701	N / 5		ESSES
verage Val	ue of Homes (X	(\$1,000)	504	No. of Bu Size of Bu		S (M) L
			STREAM OR			I a (M) E
			STREAM CRU (CIRCLE type and write me		length)	
	YPE	MATE	RIAL	array only three	NUMBER, SIZE, & LE	NGTH
	ridge	CONCLES	10 pilo 3 (2 lane.	4lane 5lan	
	ulverts r or None		1 - /	, ,		'
		(CHECK the)	UTILITI ocation of the utilities in the a		F Stream orientation)	
		Overhead (Powe	r, Cable, etc.)	NAME AND ADDRESS OF THE OWNER, WHEN PERSONS NAMED IN	J/S	D/S
	E	Buried (Gas, Sew	er, water, etc.)		J/S	(_D/\$)
	Elevat	led Cross channe	(Water, Gas, etc.)		J/S	D/S
marks.						
emarks:						
	CHAI	NNEL CHARA	CTERISTICS			= -
	CHAI CHECK appropria	NNEL CHARA te box for slope and	CTERISTICS of fill in dimensions information)		FLOW
	CHAI CHECK appropria SLOPES	NNEL CHARA te box for slope and	CTERISTICS of fill in dimensions information DIMENSION		ls W	FLOW ater Flowing?
	SLOPES 1.5: 1 or steep	tte box for slope and Der	t fill in dimensions information			ater Flowing?
	SLOPES 1.5 : 1 or steep 1.5 : 1 through	er 3:1 Slope	DIMENSION Top Width (ft.) Bottom Width (ft.)	IS	YES	ater Flowing?
	SLOPES 1.5: 1 or steep	er 3:1 Slope	DIMENSION Top Width (ft.)	15 140	YES	ater Flowing?
	SLOPES 1.5 : 1 or steep 1.5 : 1 through	er 3 : 1 Slope 1	DIMENSION Top Width (ft.) Bottom Width (ft.) Depth (ft.) STATEMENT OF	S 30 15	YES Is debris accumul YES	ater Flowing? NO ating? (i.e. Leaves, Trash)
7	SLOPES 1.5 : 1 or steep 1.5 : 1 through	er 3 : 1 Slope 1	DIMENSION Top Width (ft.) Bottom Width (ft.) Depth (ft.) STATEMENT OF boxes as needed, and CIRCL	S 30 15 PROBLEM E the size of d	YES Is debris accumul (YES) ebris that applies)	ater Flowing? NO ating? (i.e. Leaves, Trash) NO
DEBRIS	SLOPES 1.5: 1 or steep 1.5: 1 through Flatter than 3:	per 3:1 Slope 1	DIMENSION Top Width (ft.) Bottom Width (ft.) Depth (ft.) STATEMENT OF	S 30 15 PROBLEM E the size of d	YES Is debris accumul (YES) ebris that applies) BL	ater Flowing? NO ating? (i.e. Leaves, Trash) NO OCKAGE
DEBRIS ine Trees	SLOPES 1.5 : 1 or steep 1.5 : 1 through Flatter than 3 :	oer 3:1 Slope 1 (CHECK the	DIMENSION Top Width (ft.) Bottom Width (ft.) Depth (ft.) STATEMENT OF boxes as needed, and CIRCL SIZE OF DEB	S 30 15 PROBLEM E the size of d	YES Is debris accumul (YES) ebris that applies) BL % of X-Se	ater Flowing? NO ating? (i.e. Leaves, Trash) NO OCKAGE action Obstructed:
DEBRIS ine Trees ardwoods	SLOPES 1.5: 1 or steep 1.5: 1 through Flatter than 3:	oer 3:1 Slope 1 (CHECK the	DIMENSION Top Width (ft.) Bottom Width (ft.) Depth (ft.) STATEMENT OF boxes as needed, and CIRCL	S 30 15 PROBLEM E the size of d	YES Is debris accumul YES ebris that applies) BL % of X-Se	ater Flowing? NO ating? (i.e. Leaves, Trash) NO OCKAGE action Obstructed: 26%-50%
DEBRIS ine Trees ardwoods Shrubs	SLOPES 1.5 : 1 or steep 1.5 : 1 through Flatter than 3 :	oer 3:1 Slope 1 (CHECK the	DIMENSION Top Width (ft.) Bottom Width (ft.) Depth (ft.) STATEMENT OF boxes as needed, and CIRCL SIZE OF DEB	PROBLEM E the size of d	YES Is debris accumul (YES) ebris that applies) BL % of X-Se	ater Flowing? NO ating? (i.e. Leaves, Trash) NO OCKAGE action Obstructed:
DEBRIS ine Trees ardwoods Shrubs	SLOPES 1.5 : 1 or steep 1.5 : 1 through Flatter than 3 :	oer 3:1 Slope 1 (CHECK the	DIMENSION Top Width (ft.) Bottom Width (ft.) Depth (ft.) STATEMENT OF boxes as needed, and CIRCL SIZE OF DEB	PROBLEM E the size of d	YES Is debris accumul YES ebris that applies) BL % of X-Se	ater Flowing? NO ating? (i.e. Leaves, Trash) NO OCKAGE action Obstructed: 26%-50%
DEBRIS ine Trees ardwoods Shrubs ner (explain)	SLOPES 1.5 : 1 or steep 1.5 : 1 through Flatter than 3 :	per 3:1 Slope 11 (CHECK the ACROSS CHANNEL	DIMENSION Top Width (ft.) Bottom Width (ft.) Depth (ft.) STATEMENT OF boxes as needed, and CIRCL SIZE OF DEB	PROBLEM E the size at d	YES Is debris accumul (YES) ebris that applies) BL % of X-Se Less than 25 51%-75%	ater Flowing? NO ating? (i.e. Leaves, Trash) NO OCKAGE action Obstructed: 26%-50%
DEBRIS ine Trees ardwoods Shrubs	SLOPES 1.5 : 1 or steep 1.5 : 1 through Flatter than 3 :	per 3:1 Slope 11 (CHECK the ACROSS CHANNEL	DIMENSION Top Width (ft.) Bottom Width (ft.) Depth (ft.) STATEMENT OF boxes as needed, and CIRCL SIZE OF DEBI	PROBLEM E the size of d RIS Heavy	YES Is debris accumul (YES) ebris that applies) BL % of X-Se Less than 25 51%-75%	ater Flowing? NO ating? (i.e. Leaves, Trash) NO OCKAGE action Obstructed: 26%-50%
DEBRIS ine Trees ardwoods Shrubs ner (explain)	SLOPES 1.5: 1 or steep 1.5: 1 through Flatter than 3:	per 3:1 Slope 1 (CHECK the ACROSS CHANNEL	DIMENSION Top Width (ft.) Bottom Width (ft.) Depth (ft.) STATEMENT OF boxes as needed, and CIRCL SIZE OF DEB Light Moderate WORK METHOD AN (CHECK the box that the	PROBLEM E the size of d RIS Heavy D LOCATIC est applies	YES Is debris accumul (YES) ebris that applies) BL % of X-Se Less than 25 51%-75%	ater Flowing? NO ating? (i.e. Leaves, Trash) NO OCKAGE action Obstructed: 26%-50%
DEBRIS ine Trees ardwoods Shrubs ner (explain)	SLOPES 1.5: 1 or steep 1.5: 1 through Flatter than 3: IN CHANNEL Within Channel Within Channel	er 3:1 Slope 1 (CHECK the ACROSS CHANNEL Floating Equipme Non - Floating Equipme	DIMENSION Top Width (ft.) Bottom Width (ft.) Depth (ft.) STATEMENT OF boxes as needed, and CIRCL SIZE OF DEB Light Moderate WORK METHOD AN (CHECK the box that the	PROBLEM E the size of d RIS Heavy D LOCATIC est applies	YES Is debris accumul (YES) ebris that applies) BL % of X-Se Less than 25 51%-75%	ater Flowing? NO ating? (i.e. Leaves, Trash) NO OCKAGE action Obstructed: 26%-50%
DEBRIS ine Trees ardwoods Shrubs ier (explain)	SLOPES 1.5: 1 or steep 1.5: 1 through Flatter than 3:	er 3:1 Slope 1 (CHECK the ACROSS CHANNEL Floating Equipme Non - Floating Ed	DIMENSION Top Width (ft.) Bottom Width (ft.) Depth (ft.) STATEMENT OF boxes as needed, and CIRCL SIZE OF DEB	PROBLEM E the size of d RIS Heavy D LOCATIC est applies	YES Is debris accumul (YES) ebris that applies) BL % of X-Se Less than 25 51%-75%	ater Flowing? NO ating? (i.e. Leaves, Trash) NO OCKAGE action Obstructed: 26%-50%

very urban area